

CLAIMS

1. An intravascular temporary occlusion balloon catheter comprising a balloon comprising a highly tensile material having an elongation at break of 300% to 1,100% and a shaft
5 composed of a highly elastic material and having an outer diameter in the range of 0.014 in. (0.3556 mm) to 0.018 in. (0.4572 mm) and a bending modulus of at least 1 GPa, wherein a lumen for tracking the guidewire is provided at a catheter distal-end portion only.

10 2. The intravascular temporary occlusion balloon catheter according to claim 1, wherein the lumen for tracking the guidewire crosses the interior of the balloon.

3. The intravascular temporary occlusion balloon catheter according to claim 2, wherein the lumen for tracking the
15 guidewire has a proximal-side guidewire port located at a position within 10 mm from the proximal end of the inflated balloon.

4. The intravascular temporary occlusion balloon catheter according to claim 2 or 3, wherein the guidewire port is
20 closed when no guidewire is present in the guidewire port.

5. The intravascular temporary occlusion balloon catheter according to claim 1, wherein the lumen for tracking the guidewire is located at the distal side of the balloon.

6. The intravascular temporary occlusion balloon catheter according to any one of claims 1 to 5, wherein the shaft comprises a material selected from the group consisting of SUS 304, SUS 316, and SUS 316L stainless steel.

5 7. The intravascular temporary occlusion balloon catheter according to any one of claims 1 to 6, wherein the shaft comprises a superelastic metal at least in the distal side.

8. The intravascular temporary occlusion balloon catheter according to any one of claims 1 to 7, wherein the outer
10 surface of the shaft is covered with a thin resin layer comprising tetrafluoroethylene or polyethylene or a hydrophilic coating layer.

9. The intravascular temporary occlusion balloon catheter according to any one of claims 1 to 8, further comprising a
15 radiopaque marker for identifying the position of the catheter by radioscopy, the radiopaque marker being disposed at least in the interior of the balloon.

10. The intravascular temporary occlusion balloon catheter according to any one of claims 1 to 9, wherein the
20 balloon catheter comprises thermoplastic polyurethane, silicone, or natural rubber.